

# Traceability Matrix, PPS Proposal Instructions

## Chapter 23: NIRCam Grism Time Series Imaging

Requirement #	Proposal, Visit, Exposure	Comment
Introduction		
NCM0856	622 1	NIRCam Grism Time Series Imaging template exists
NCM0857	622 1	Field: Module
NCM0858	622 1	Module, value A
NCM0859	622 1	Field: Subarray
NCM0860	622 1	Subarray, choose from list
NCM0861	622 1	Field: Number of Detector Output Channels
NCM0862	622 1	Number of Detector Ouptut Channels: 1 or 4
NCM0863	622 1	Field: Number of Exposures
NCM0864	622 1	Number of Exposures, number
NCM0865	622 1	Field: Pupil + Filter
NCM0866	622 1	Pupil + Filter, chose from list
NCM0867	622 1	Field: Readout Pattern
NCM0868	622 1	Readout Pattern, chose from list
NCM0869	622 1	Field: Number of Groups
NCM0870	622 1	Number of Groups, number
NCM0871	622 1	Field: Number of Integrations
NCM0872	622 1	Number of Integrations, number
NCM0873	622 1	cannot be used in parallel
NCM0874	622 1	cannot have parallels attached
NCM0875	622 1	NO PARALLEL special requirement should be added implicitly
NCM0876	622 1	cannot be used with a mosaic
Module		
NCM0877	622 1	A
Subarray		
NCM0878	622 1	FULL
NCM0879	622 2	SUBGRISM256
NCM0880	622 3	SUBGRISM128
NCM0881	622 4	SUBGRISM64
Number of Detector Output Channels		
NCM0882	622 1	1
NCM0883	622 1	1 default
NCM0884	622 3	4
NCM0885	622 1	FULL/1
NCM0886	622 5	FULL/4
NCM0887	622 2	SUBGRISM256/1
NCM0888	622 6	SUBGRISM256/4
NCM0889	622 7	SUBGRISM128/1
NCM0890	622 3	SUBGRISM128/4
NCM0891	622 8	SUBGRISM64/1
NCM0892	622 4	SUBGRISM64/4
NCM0893	622 1	gui label Frame Readout Time
Number of Exposures		
NCM0894	622 1	Number of Exposures
Exposure Specification		
NCM0885	622 1	for each filter/pupil need readout pattern, num groups, and num ints

Filter and Pupil Names		
NCM0895	622 1	CLEAR+WLP4
NCM0896	622 2	WLP8+F182M
NCM0897	622 3	WLP8+F210M
NCM0898	622 4	WLP8+F187N
NCM0899	622 5	WLP8+F212N
NCM0900	622 4	GRISMR+F277W
NCM0901	622 3	GRISMR+F322W2
NCM0902	622 2	GRISMR+F356W
NCM0903	622 1	GRISMR+F444W
Readout Pattern		
NCM0904	622 1	RAPID
NCM0905	622 2	BRIGHT1
NCM0906	622 3	BRIGHT2
NCM0907	622 4	SHALLOW2
NCM0908	622 5	SHALLOW4
NCM0909	622 6	MEDIUM2
NCM0910	622 7	MEDIUM8
NCM0911	622 8	DEEP2
NCM0912	622 9	DEEP8
Number of Groups		
NCM0913	622 1	Number of Groups
	910 104	Number of Groups: 1
NCM0914	622 1	2
NCM0915	910 103	Number of Groups: 30
	910 106	Illegal value 0
	910 105	31
Number of Integrations		
NCM0916	622 1	Number of Integrations
	617 4	Number of Integrations: 1
NCM0917	617 2	4
NCM0918	910 103	Number of Integrations: 65535
	910 108	Illegal value 0
	910 107	65536
NCM0919		warning visit duration > 100 hours; PR 82000 not yet implemented